

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001687

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : G01B 7/16, G01L 1/18, 9/06, H01L 29/84 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI and JAPIO; piezo+ (w) resist+; (strain? or load+ or microstrain? or stress+)(5d)(gag+ or gaug+ or sens+ or measur+ or monitor+ or transduc+); silicon or Si or semiconduct+ or (solid (w) state) or wafer; (compress+) (s) (tension or tensile); opposit+; four or two or pair and similar keywords		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Patent Abstracts of Japan JP 03-037534 A (NISSAN MOTOR CO LTD) 18 February 1991 Abstract	1-26
X	CH 517300 A (AUGUST SAUTER KG) 15 February 1972 Whole document and in particular Figures 1-6 and column 4, last paragraph	1-26
X	GB 2174500 A (STC PLC) 5 November 1986 Whole document and in particular Figure 1 and page 1, lines 65-69 and 71-73	1-26
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 24 January 2005		Date of mailing of the international search report 31 JAN 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer GREG POWELL Telephone No : (02) 6283 2308

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1344758 A (MILLAR INSTRUMENTS INC.) 23 January 1974 Whole document and in particular Figure 2 and page 3, lines 10-52	1-26
X	US 5092177 A (VARACCA) 3 March 1992 Abstract, Figures 1A-2C, column 3, line 41 – column 4, line 2	1-26
X	US 4166269 A (STEPHENS et al.) 28 August 1979 Whole document	1-26
X	US 4445385 A (ENDO) 1 May 1984 Whole document and in particular Figures 2, 2a, 4, 4a, 5	1-26
X	EP 454901 B1 (SIEMENS-ALBIS AG) 22 June 1994 Whole document and in particular Figures 1-8, column 2, lines 1-5, Claims 3, 6 and 13	1-26

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
JP	3037534				
CH	517300	DE	2013454		
GB	2174500				
GB	1344758	DE	2231491	FR	2144399
				NL	7208976
US	5092177	EP	0410910	FR	2650389
US	4166269				
US	4445385				
EP	0454901				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					